

CLIMATOLOGICAL DATA FOR AUGUST, 1912.

DISTRICT No. 3, OHIO VALLEY.

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GENERAL SUMMARY.

The weather conditions prevailing during August, 1912, in the Ohio Valley may be characterized as unusually cool, cloudy, and wet. In western Pennsylvania and West Virginia the mean temperature was the lowest for August since the establishment of climatological services in those States; also over adjoining States the average temperature was among the lowest on record for those sections. The most prominent features of the month were the remarkably low temperatures which prevailed during nearly the entire first week, but especially in the period 1st-5th, when temperatures as low as or lower than ever before recorded in the Ohio Valley during the first decade of August occurred; also the frequent rains and the exceptionally uniform distribution of precipitation over the district, especially during the second and third weeks.

The first half of the month was too cold and wet for the best development of plant growth, although the rains put the soil in good condition as regards moisture, but the last half was especially favorable on account of temperature and rainfall conditions being nearly normal and ideal. There were no general storms of consequence passing over the district, only a few shallow depressions crossing the Lake region. The weather conditions were largely dominated by high-pressure areas, and there was very little movement in the general circulation of the air. Thunderstorms were frequent and quite a few were damaging.

The following table summarizes the chief features of meteorological interest for the several sections of the district:

Portions of States included in the Ohio River Basin.	Temperature.				Precipitation.							
	Average.	Departure.	Highest.	Lowest.	Average.	Departure.	Greatest monthly.	Least monthly.	Greatest in 24 hours.	Average number of days.	Average snowfall.	
New York.....	63.6	-2.3	86	39	5.01	+1.05	6.15	4.11	1.25	15	0	
Pennsylvania.....	66.2	-2.9	90	38	5.50	+1.67	7.76	2.31	3.25	15	0	
Maryland.....	63.6	-2.1	84	36	3.81	-0.07	4.06	3.39	0.97	15		
West Virginia.....	69.5	-2.3	95	39	3.84	-0.10	11.70	1.21	4.20	11	0	
Ohio.....	69.5	-2.3	95	40	4.19	+1.00	7.90	1.44	2.75	11	0	
Indiana.....	72.4	-1.6	102	39	5.51	+2.27	12.00	2.90	3.06	12	0	
Illinois.....	73.7	-1.3	100	40	4.75	+1.40	8.00	2.06	3.55	11	0	
Kentucky.....	73.7	-2.0	98	43	4.71	+1.37	8.22	1.50	2.10	13	0	
Tennessee.....	75.4	-0.6	99	43	4.10	+0.28	8.88	1.63	3.19	11	0	
Alabama.....	77.5	-1.3	96	49	6.92	+3.28	8.36	5.30	2.65	11	0	
Georgia.....	72.0	-1.1	88	52	5.56	-1.22	8.00	1.22	1.34	9	0	
North Carolina.....	68.4	-0.7	95	38	3.13	-2.20	5.88	1.27	2.00	10	0	
Virginia.....	67.6	-2.5	88	37	2.65	-1.77	5.03	1.18	1.12	12	0	

TEMPERATURE.

The unseasonably cool weather which set in about July 26 continued through nearly the entire first and second weeks of August, it being about August 12 before temperatures had warmed up sufficiently to approach near normal conditions, while they did not pass above normal to any extent until the 17th. The first five or six days were remarkably cool for the season of the year, especially the 3d, 4th, and 5th, when mean daily temperatures ranged from 10° to 17° below normal, and minimum temperatures registered in the 40's and low 50's in practically all parts of the district, while at places in the more elevated sections in the eastern part as far south as North Carolina they were below 40°. The lowest temperature reported was 36° at Deer Park, Md. Light frost occurred in Johnson County, Tenn., on the morning of the 4th, and at Buchanan, W. Va., on the 5th.

Another feature of the temperature was the unusually low maximum readings for the various sections. In several of the sections of States in the district the maximum temperature did not reach as high as 90°, and at only one station in Illinois and one in Indiana was it as high as 100°. The temperature was above normal in the period 17th-20th, 25th-26th, and 29th-31st, the month closing with high temperatures prevailing generally. The mean temperature for the month as a whole averaged between 1° and 5° below normal at the various stations. This deficiency was due largely to the continuous cool weather of the first two weeks together with the fact that the nights were cool during the last two weeks.

PRECIPITATION.

The distribution of rainfall over the district was exceptionally uniform, and as a rule the aggregate for the month ranged between 3 and 6 inches. In a few sections, notably western Kentucky and south central Ohio, precipitation was deficient to a marked extent, but generally speaking, it was ample in amount and mostly above the normal for August. In some scattered localities it was excessive, amounting to between 7 and 12 inches. The average amount over central and southern Indiana was the greatest of record for August for those sections. At Vevay, Ind., 12 inches were received, which is one of the largest rainfalls for a summer month on record in that State. Excessive 24-hour falls occurred at several places and on various dates. The most important of these were: 3.30 inches at Equality and 3.55 inches at Shawneetown, Ill., 20th-21st; 3.25 inches at Skidmore, Pa., 26th; and 4.20 inches at Valley Fork, W. Va., 29th. Also 3.19

inches occurred at Chattanooga, Tenn., 22d, 2.98 inches of which fell in 46 minutes. The business portion of the city was flooded and a great torrent of water rushed down Lookout Mountain causing serious landslides at St. Elmo. At Highland, N. C., 2 inches of rain fell in one hour on the 25th.

MISCELLANEOUS.

August 10.—Lightning struck a barn, killing a valuable horse and doing much damage to the building at Glasgow, Ky.

August 11.—A severe local storm with tornadic characteristics passed across the northeastern part of Wayne County, Ohio. It occurred about 10.30 a. m. and was attended by a heavy downpour of rain. The path of the storm was about 100 yards wide extending in a southwest-northeast direction. Several barns and outbuildings were damaged, fruit and forest trees blown over and fences scattered about to a considerable extent. Observers report the appearance of a dark funnel-shaped cloud with rotary motion.

August 12.—Severe local thunderstorms passed over sections of Indiana, Illinois, Kentucky, and Tennessee. Mrs. Harry Gray was killed by lightning at Galveston, Ind. At Equality, Ill., lightning struck a barn killing one man, several head of live stock, and destroying the barn together with its contents of farm implements and grain. At Owensboro, Ky., a young woman was struck by lightning and seriously injured while lying on a bed, the lightning coming into the house over the telephone wires.

August 13.—Lightning struck a large lumber plant at Indianapolis, Ind., occasioning a loss of about \$20,000.

August 14.—One man was killed and several barns were struck and burned by lightning in Somerset County, Pa. Also damaging storms visited various parts of Indiana, causing local damage to crops and buildings in many places. One man was killed by lightning in Decatur County, Ind.

August 15.—Two valuable horses were killed by lightning near Hodgenville, Ky.

August 18.—Damage resulted from heavy rains and local storms near Brazil in western Indiana. One man was drowned in attempting to cross a stream and a train ran into a washout and injured several persons.

August 19.—In Pennsylvania there was considerable damage in Washington and Westmoreland Counties, resulting mostly from overflowing of small streams due to excessive rains, and the damaging of buildings from lightning. Three persons lost their lives by drowning. Railroad embankments were washed away and there

was also considerable loss to farmers from destruction of crops and erosion of soil. In Ohio a boy was killed by lightning at Portsmouth, a girl injured at Zanesville, and two barns burned in Champaign County.

August 23.—A severe local storm passed over Conneaut Lake and vicinity in Crawford County, Pa. This storm appears to have had tornadic characteristics and caused a waterspout as it passed over the lake. Barns were unroofed or demolished, trees and fences torn away, and several persons injured.

August 26.—In Ohio lightning destroyed six barns and one house in Guernsey County, one barn in Knox County, three barns in Portage County, three houses in Mahoning County, and several houses in Miami County; and on the 27th a large barn containing 30 tons of hay in Wayne County.

About 1 p. m. a storm passed over Elk Knob, Lee County, Va. The storm moved from the west, and the lightning attending it was remarkable for frequency and power. A number of trees were struck and several brood mares and their colts and four steers were killed. An unusually severe electrical storm caused considerable damage in Kenton County, Ky. Four barns were struck and burned with their contents.

August 31.—A severe hailstorm occurred in Elk County, Pa. Windows were broken and trees and crops injured. Lightning destroyed two barns and killed a boy in Perry County, Ohio. Also lightning struck a sheep barn at the Ohio State Fair, Columbus, Ohio, killing several head of valuable stock.

HEAT PROSTRATIONS.

The section director at Columbus, Ohio, furnishes the following account of heat prostrations on August 31:

During a children's pageant on the occasion of the centennial celebration at Columbus, Ohio, there occurred a remarkable series of heat prostrations. The exercises were held during the forenoon in the large athletic field of Ohio State University. At about 11 o'clock several persons scattered through the crowd were noticed to faint. These were quickly followed by others until 75 or more were prostrated and required aid from those about them. Among the number were 12 members of the State guards, who had been patrolling the grounds and giving relief to others. Fortunately none of the cases proved to be serious and the most of those affected recovered within an hour or two. The prostrations were due undoubtedly to the manner in which the people were crowded together and exposed to the direct rays of a midday August sun. Banks of seats, many of which were without protection, surrounded the field, and a grove cut off the westerly breeze that was blowing at about 15 miles per hour. Every seat was occupied and hundreds were standing and it is estimated fully 15,000 people were crowded within the inclosure. The temperature at the Weather Bureau station, 3 miles distant, was 87° at 11 o'clock and 88° at noon. The humidity at the Weather Bureau station ranged between 60 and 65 per cent at the time of the prostrations.

TABLE 1.—*Climatological data for August, 1912. District No. 3—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Virginia.</i>																				
Blacksburg.....	Montgomery.....	2,170	21	68.6	— 1.3	88	31	45	2†	36	1.75	— 2.19	0.41	0	13	10	9	12	nw.	Agricultural Exp. Station.
Burkes Garden.....	Tazewell.....	3,250	17	63.6	— 2.7	80	14†	37	5	34	3.92	— 0.41	0.85	0	10	1	9	21	sw.	C. H. Greever.
Elk Knob.....	Lee.....	3,243	9	71.4	.....	87	31	52	5	24	5.03	.....	1.12	0	20	8	18	5	s.	Henry Nicoll.
Ivanhoe **.....	Wythe.....	3,028	8	68.1	.....	82	31	48	5	24	1.72	.....	0.66	0	8	12	15	4	w.	Miss Alice G. Jewett.
Max Meadows.....	do.....	2,028	16	67.9	— 3.1	88	31	46	2†	34	1.18	— 4.02	0.50	0	7	11	15	5	sw.	James M. Graham.
Mendota.....	Washington.....	1,350	3	.....	.....	.....	.....	3.69	.....	.....	0.80	.....	0	16	.....	.....	.....	.....	Frank M. Barker.	
Mountain Lake.....	Giles.....	4,348	2	62.8	.....	80	31	42	28	30	2.97	.....	0.83	0	8	23	5	3	nw.	H. E. Dorland.
Radford.....	Montgomery.....	1,773	3	.....	.....	.....	.....	2.66	.....	.....	0.50	0	10	.....	.....	.....	.....	.....	Arthur Roberts.	
Speers Ferry.....	Scott.....	1,221	16	.....	.....	.....	.....	3.65	— 1.28	0.80	0	0	11	.....	.....	.....	.....	.....	Mrs. L. E. Venable.	
Wytheville.....	Wythe.....	2,293	19	70.5	— 2.2	84	31	45	5	33	1.93	— 2.56	0.53	0	16	6	20	5	w.	U. S. Weather Bureau.

*, †, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

** Temperature extremes are from observed readings of the dry bulb; means are computed from observed readings.

† Also on other dates.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 2.—*Daily precipitation for August, 1912. District No. 8—Continued.*

TABLE 2.—*Daily precipitation for August, 1912. District No. 8—Continued.*

Stations.	Watershed.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
<i>North Carolina—Continued.</i>																																		
Hendersonville	Tennessee	.1	.20	.95						.14																								3.17
Highlands		do		.42					.51	.26																						4.16		
Hot Springs		do		T.	T.				.37																							1.61		
Jefferson	Great Kanawha	.10	.06	.16					.13	.03	T.	T.	T.	T.	T.	T.	.13	.01	T.		.52	.04						T.	T.	.09				
Marshall	Tennessee	.03	T.	T.					T.	T.	.27						T.	.04	.34	T.	T.	.25	.23						T.	T.	.17			
Murphy ||		do	.93	.16						.69	.94								.25		.99		.05	.63								4.64		
Rock House	Savannah																																	
Waynesville ||	Tennessee	.74	.01	1.52					T.	.28	.19							.05	.02	.06	.01	.07	.70		.03	.25			.24	.01		.19	4.37	
<i>Virginia.</i>																																		
Blacksburg	Kanawha	.04	.20						T.	.34	.03	.02						.20		T.		.01	.03	.04	.41		.24	.06		.13		T.		1.75
Burkes Garden	Tennessee	.23	.35						T.	.26	.27	.05	T.	.24						T.	.73	T.	.85		T.		.30	.38		T.		3.92		
Elk Knob		do	.20	.06					.05	.12	.68	.13	.52	.53	.59	.04	.02	.02	T.	.01	.42	.25	.06	.49	T.			.59	T.	T.	.15	.10	5.03	
Ivanhoe ||	Kanawha	.44	T.	.66	T.					.02	.28		T.	T.	T.			.15		.03		.02										T.		1.72
Max Meadows		do	.15	.50																													1.18	
Mendota ||	Tennessee	.15	.15						.12	.40	.10	.40	.10	.08								.27	.08									3.69		
Mountain Lake	Kanawha	.05	.15																														2.97	
Radford ||		do	T.	.50						.60	.20	.52	.29	.10								.20	.26	.34	.42						.18		.20	
Speers Ferry ||	Tennessee		.24	.29						.06	.36	.07	.02	T.		T.	.05		.10	T.	.04	.32		.26	.01		.02	.06		.07	.01	1.98		

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

TABLE 3.—*Maximum and minimum temperatures for August, 1912. District No. 3.*

Date.	Pennsylvania.				West Virginia.												Ohio.											
	Greenville.		Pittsburgh.		Charleston.		Elkhorn.		Elkins.		Glenville.		Huntington.		Morgan-town.		Parkersburg.		Wheeling.		Canton.		Cincinnati.		Columbus.		Dayton.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	71	43	69	53	78	57	74	56	69	50	78	56	77	56	71	53	72	56	78	52	74	46	79	58	72	54	76	53
2....	73	46	70	55	80	57	75	48	74	46	82	53	81	58	69	48	78	56	76	60	74	54	78	63	75	56	73	53
3....	66	45	67	51	77	57	75	50	68	46	76	52	71	58	69	49	72	54	72	47	69	48	73	56	70	51	70	50
4....	68	39	65	49	72	52	74	43	68	45	74	50	73	51	66	47	69	55	71	49	69	43	71	52	69	49	71	48
5....	75	40	73	49	75	50	73	50	71	42	89	47	75	50	72	45	73	49	75	43	76	43	74	54	73	50	75	48
6....	76	42	75	58	80	55	77	54	70	48	83	54	80	52	76	53	80	58	79	49	77	49	83	62	78	60	80	60
7....	83	47	80	63	83	60	80	56	80	53	87	57	79	53	84	57	82	63	84	56	81	53	79	64	82	62	79	65
8....	79	61	76	67	80	66	77	58	74	61	80	64	82	62	77	67	76	58	78	64	80	66	78	66	80	66	78	66
9....	81	64	81	69	85	67	79	58	85	64	90	64	85	65	84	67	83	65	82	64	81	68	80	66	76	65	81	65
10....	81	59	79	68	85	66	76	60	76	60	93	61	82	66	79	63	81	66	82	65	79	64	80	63	79	64	77	64
11....	73	58	78	64	84	63	79	57	80	54	94	61	82	65	77	63	82	67	80	63	75	62	82	67	76	64	77	65
12....	80	57	81	65	83	67	80	64	80	55	85	66	86	65	84	67	85	61	82	58	86	56	84	63	83	63	84	63
13....	84	60	80	71	84	69	80	62	81	62	86	67	85	68	78	63	83	74	84	67	80	64	85	68	80	67	83	66
14....	80	57	77	70	86	70	84	60	84	68	93	68	87	68	84	64	84	70	78	68	83	64	80	67	81	65	78	65
15....	78	52	73	63	86	70	83	64	80	59	90	67	83	63	81	64	81	68	85	61	79	50	83	69	80	61	82	61
16....	75	47	75	58	83	69	82	56	80	55	87	60	83	63	84	58	82	58	76	55	83	69	79	62	83	64	84	64
17....	76	54	73	57	85	68	84	60	83	54	90	59	88	63	84	68	82	68	75	55	80	68	82	62	87	65	85	65
18....	86	45	87	65	89	68	83	64	84	65	92	60	89	68	78	63	90	73	90	58	89	58	92	73	88	71	90	71
19....	78	63	86	67	85	67	84	62	79	65	80	67	87	72	86	68	86	69	89	68	89	71	88	69	88	69	89	69
20....	85	65	79	68	82	69	82	64	79	66	87	68	83	70	79	69	83	69	82	69	83	65	82	68	83	67	81	68
21....	77	63	76	69	80	68	79	60	75	63	80	67	76	72	80	67	79	70	79	69	76	65	80	70	80	68	80	67
22....	81	59	79	68	83	67	80	64	80	62	87	59	81	68	80	66	83	69	83	68	80	60	82	68	80	63	80	63
23....	73	57	72	60	79	66	78	58	71	57	80	65	79	65	79	63	76	63	77	71	73	57	79	63	76	59	76	59
24....	81	49	80	59	82	60	81	52	82	51	82	64	85	59	83	68	85	59	84	55	82	50	86	59	83	58	82	58
25....	89	58	85	67	87	65	84	60	83	55	87	63	87	64	87	64	88	65	89	65	90	67	88	64	87	66	87	66
Mns..	77.7	53.3	76.6	61.1	82.3	63.9	79.7	57.9	77.4	56.5	85.6	61.2	82.0	62.9	77.4	60.3	80.7	63.6	80.4	58.8	77.9	55.9	82.5	65.1	79.9	61.5	80.1	61.9

Date.	Ohio.				Indiana.												Kentucky.											
	Marion.		Waverly.		Butlerville		Evansville.		Indianapolis.		Kokomo.		Rockville.		Worthington.		Philo, Ill.		Beattyville.		Bowling Green.		Earlington.		Greensburg.		Lexington.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	76	49	76	51	80	49	84	62	76	54	74	45	81	49	80	55	81	50	82	53	87	56	89	55	85	52	77	57
2....	74	56	79	53	80	58	81	66	75	58	74	54	79	54	77	57	76	53	84	56	89	59	81	61	85	55	77	60
3....	71	45	72	53	75	55	71	57	68	51	69	42	72	51	72	56	71	49	68	58	76	59	68	59	68	55	75	55
4....	70	42	72	49	73	44	71	53	72	49	73	42	75	46	72	47	71	45	69	48	76	48	70	47	70	51	70	51
5....	76	42	73	46	77	55	75	55	74	52	73	42	80	46	77	49	75	45	74	49	83	53	68	43	73	51	70	51
6....	83	54	79	48	85	58	82	59	79	62	79	55	83	57	81	54	82	54	70	55	86	55	89	51	84	54	81	59
7....	82	57	82	58	75	60	79	69	73	65	75	61	75	61	76	65	78	64	79	58	81	61	80	57	75	64	81	64
8....	82	63	82	60	82	66	79	68	79	65	81	64	86	67	81	65	85	66	74	63	84	67	81	61	77	64	81	64
9....	75	66	83	67	76	66	74	63	72	64	75	64	76	66	76	68	73	64	78	65	80	65	80	68	77	63	81	63
10....	80	63	81	62	80	60	79	62	77	60	76	60	79	58	77	59	75	57	84	62	80	63	80	60	78	63	81	63
11....	75	63	80	62	82	67	84	67	78	65	76	62	85	66	82	64	80	65	74	58	85	60	88	63	80	61	80	63
12....	87	61	86	64	86	65	83	68	82	64	84	55	81	60	83	66	82	60	74	58	89	67	88	69	85	68	86	68
13....	83	66	84	66	86	65	87	68	84	66	85	65	90	67	87	67	85	68	75	61	91	66	92	66	89	62	84	67
14....	85	66	82	65	82	65	86	68	82	67	83	66	87	65	77	65	85	67	81	66	87	64	91	65	86	64	85	67
15....	83	55	83	61																								

TABLE 3.—*Maximum and minimum temperatures for August, 1912. District No. 3—Continued.*

Date.	Kentucky.				Tennessee.										Decatur, Ala., §§.		Asheville, N. C.		Virginia.							
	Louisville.		Mays- ville §§.	Williams- burg §§.	Chatta- nooga.		Johnson City §§.		Knoxville.		Nashville.		Palmetto.		Sparta.		Waynes- boro.						Blacks- burg.		Wythe- ville.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	83	60	81	51	80	54	83	64	81	58	81	60	84	59	83	56	85	57	85	66	74	58	72	54	70	52
2....	82	62	83	53	82	58	87	60	83	53	81	59	87	61	87	60	90	57	92	64	80	52	77	45	76	48
3....	73	57	77	55	75	62	87	67	73	60	74	64	78	61	86	66	83	66	88	65	72	64	77	60	68	55
4....	74	52	76	47	74	57	77	63	74	57	76	61	75	56	73	57	80	50	77	55	78	63	68	56	72	52
5....	77	55	80	46	80	54	80	58	79	47	81	58	82	56	80	50	82	49	82	56	72	51	74	49	74	45
6....	84	64	88	47	84	54	80	62	83	55	82	61	83	60	84	59	85	57	82	55	86	57	75	52	74	50
7....	73	67	85	53	80	60	71	66	84	58	78	64	76	68	66	73	63	65	63	74	56	79	49	78	54	
8....	78	66	88	60	88	64	79	67	80	61	80	66	81	70	82	69	83	65	87	68	70	64	71	59	68	62
9....	78	64	85	65	85	68	84	67	85	66	83	66	78	68	80	66	84	68	79	69	84	69	78	61		
10....	80	64	85	61	83	65	83	66	85	61	82	66	83	66	82	66	84	62	87	67	80	60	80	58	76	60
11....	85	68	96	62	84	62	82	69	85	60	84	69	85	59	87	57	82	55	86	64	83	56	82	55	78	60
12....	87	68	91	64	89	64	88	67	87	59	86	68	88	68	87	67	88	67	89	68	83	57	82	53	78	61
13....	88	68	89	66	88	66	90	71	86	63	88	72	87	67	85	66	89	66	86	65	87	68	82	60	80	61
14....	86	67	89	64	88	64	89	69	89	63	88	69	88	72	88	69	87	66	88	68	83	64	86	65	82	66
15....	85	69	88	64	89	67	83	68	87	62	86	67	88	69	87	68	89	67	87	71	82	62	84	62	78	64
16....	89	70	89	63	90	66	88	68	90	63	86	66	86	69	88	67	89	67	87	65	89	71	82	64	81	55
17....	91	71	94	62	89	69	88	68	93	65	90	69	91	71	90	69	91	67	92	65	93	71	80	63	79	59
18....	93	73	95	65	88	68	89	69	88	67	90	70	92	75	90	71	88	67	93	69	93	72	85	65	84	65
19....	91	76	95	70	91	69	91	71	87	66	87	70	92	76	91	72	91	70	93	69	94	73	82	64	86	63
20....	87	68	89	66	89	70	91	72	84	68	86	70	88	68	92	71	87	69	93	69	94	73	84	64	82	66
21....	79	70	80	67	83	68	91	70	87	63	88	65	87	68	90	69	88	68	90	67	95	72	85	62	78	64
22....	83	64	85	64	86	69	84	69	83	66	83	70	84	71	85	72	86	71	86	70	81	62	81	63	78	62
23....	82	64	82	60	84	65	88	70	81	65	85	65	86	67	85	69	84	63	87	68	88	69	78	61	75	59
24....	83	62	90	56	88	58	85	66	84	57	86	62	89	64	88	62	89	59	90	60	90	70	80	55	82	50
25....	91	67	94	58	89	63	88	69	84	63	87	70	89	69	90	67	85	67	90	65	90	68	81	62	85	58
26....	90	74	93	70	84	60	88	66	84	65	84	66	88	68	85	67	84	64	90	65	91	71	85	60	83	64
27....	80	66	81	66	85	65	88	64	84	65	86	66	87	66	86	62	86	62	91	61	85	68	81	60	79	58
28....	91	60	90	51	90	58	91	67	92	60	90	62	91	64	90	66	91	64	92	61	89	64	84	60	81	50
29....	90	63	91	51	90	63	90	68	88	63	89	69	90	74	89	68	86	65	91	65	92	70	82	62	82	60
30....	90	73	90	60	94	68	91	69	87	66	91	69	92	70	91	69	91	66	91	65	92	70	82	60	82	65
31....	93	75	95	66	95	65	92	69	92	65	92	69	92	75	92	72	92	65	93	67	94	71	87	60	83	61
Mns.	84.5	66.2	87.2	60.1	85.9	63.3	86.0	67.1	84.8	61.6	84.6	66.1	85.9	67.5	86.5	66.3	86.3	64.1	87.7	64.0	88.1	67.7	80.0	60.0	79.8	57.5
																										77.8
																										58.8

*, b, c, etc., indicate respectively 1, 2, 3, etc., days missing from the record.

§ § Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.